

What Is Claimed Is:

5 A laminate material comprising a spunbond polypropylene nonwoven fabric layer, and a monolithic, acrylate/polyester breathable coating applied to said polypropylene nonwoven fabric layer, said breathable coating exhibiting substantial impermeability to liquid, water, and to air, while exhibiting significant permeability to water vapor.

2. A laminate material in accordance with claim 1, wherein:

10 said nonwoven fabric layer has a basis weight between about 60 to 100 grams/meter², and is formed from polypropylene having a viscosity between about 6 and 16 MFR.

15 3. A laminate material in accordance with claim 2, wherein:

the viscosity of the polypropylene is in the range of 8 to 13 MFR.

4. A laminate material in accordance with claim 2, wherein:

15 said polypropylene includes additives selected from the group consisting of ultraviolet stabilizers, thermal stabilizers, and the combinations thereof.

20 5. A laminate material in accordance with claim 2, wherein:

said nonwoven fabric layer has a strip tensile strength of at least about 50 N/cm, machine-direction, and at least about 35 N/cm, cross-direction.

25 6. A laminate material in accordance with claim 1, wherein:

said polymeric breathable coating is extrusion-coated on said nonwoven fabric layer, and has a thickness of about 15 to 10 grams/meter², said coating comprising by weight from about 35 to 90 percent of a copolymer selected from the group consisting of ethylmethylacrylate, ethylbutylacrylate, and ethylvinylacrylate, and from about 10 to 65 percent of a copolyester or thermoplastic elastomer selected from the group of copolyether-ester and copolyester-ester block copolymers.

7. A laminate material in accordance with claim 6, wherein:

25 said breathable coating further comprises one or more additives selected from the group consisting of ultraviolet and thermal stabilizers, polyolefin resin

grafted with maleic anhydride, and resin modifier based on the ethylene acrylate copolymer.

8. A laminate material in accordance with claim 1, wherein:

5 said polymeric breathable coating has a basis weight of 15 to 30 grams per square meters and comprises a blend containing by weight percent about 35 to 90% of copolymer selected from the group consisting of ethylmethacrylate or ethylbutylacrylate where the methylacrylate or butylacrylate content is between 15 and 28%, and about 10 to 65% of a copolyester block copolymer where the butylene terephthalate hard segments and poly(alkylene oxide) soft segment alternate.

10 9. A laminate material in accordance with claim 8, wherein:

15 said polymeric coating further comprises one or more additives selected from the group consisting of ultraviolet and thermal stabilizers, maleic anhydride grafted polyolefin, and stability-enhancing and adhesion-enhancing resin modifiers.

10. A laminate material in accordance with claim 1, wherein:

15 said nonwoven fabric layer comprises polypropylene having a viscosity between 3 and 12 MFR, having a basis weight between 60 and 100 grams per square meter, and strip tensile strength of at least about 50 N/cm, machine-direction, and 35 N/cm, cross direction, said polymeric coating being extrusion-coated on said nonwoven fabric layer and having a basis weight of about 15 to 30 grams per square meter, and comprising by weight a blend containing about 35 to 90% of copolymer selected from the group consisting of ethylmethacrylate and ethylbutylacrylate where the methylacrylate or butylacrylate content is between 15 and 28%, and 10 to 65% of a copolyester block copolymer where the butylene terephthalate hard segments and polyalkylene oxide soft segment alternate.

25 11. A laminate material in accordance with claim 10, wherein:

11 said breathable coating further comprises one or more additives selected from the group consisting of ultraviolet and thermal stabilizers, polyolefin resin

grafted with maleic anhydride, and resin modifier based on the ethylene acrylate copolymer.

12. A laminate material in accordance with claim 10, wherein the polymeric coating is in the range of 22 to 28 grams/meter²

13. A laminate material in accordance with claim 10, wherein:
the material is used as a housewrap.